## **CLAIMS**

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- 1. A method of deactivating a touch screen lock in a portable electronic device comprising a touch screen and means for locking the touch screen, **characterized** by
- detecting (208) touches on predetermined contact areas on the touch screen in a given order during touch screen lock;

deactivating (210) the touch screen lock once said touches on the predetermined contact areas are detected.

- 2. A method as claimed in claim 1, characterized by reduc-10 ing the size of the predetermined contact areas when a touch on a predetermined contact area fails.
  - 3. A method as claimed in claim 2, **characterized** by reducing the size of the predetermined contact areas by at least 25 percent.
- 4. A method as claimed in claim 1, characterized by detect15 ing (202) a touch on a predetermined reset area on the touch screen during touch screen lock, and entering (204) touch screen lock deactivation state based on the touch on the reset area.
- 5. A method as claimed in claim 4, **characterized** by exiting the touch screen lock deactivation state when the touch on the predetermined contact area fails.
  - 6. A method as claimed in claim 4, **characterized** by exiting the touch screen lock deactivation state when no touch on the contact area on the touch screen is detected within a predetermined period of time.
- 7. A method as claimed in claim 1, characterized by detect-25 ing a touch on the reset area after a touch on the predetermined contact areas.
  - 8. A method as claimed in claim 7, c h a r a c t e r i z e d by accepting the deactivation of the touch screen lock based on the detection of a touch on the predetermined contact areas and a touch on the reset area.
- 9. A method as claimed in claim 1, **characterized** by detect-30 ing a touch on the predetermined contact areas of the touch screen when the touch on the contact area continues for a predetermined period of time.
  - 10. A method as claimed in claim 1, characterized by entering (218) the device lock state when the touch on the contact areas occurs in a non-(?)predetermined manner a predetermined number of times in succession.
  - 11. A method as claimed in claim 1, characterized by issuing a signal when a touch on a predetermined contact area is detected.

- 12. A method as claimed in claim 11, **characterized** by said signal being a sound, light or vibration signal.
- 13. A method as claimed in claim 1, characterized by deactivating the touch screen lock when a touch on said predetermined contact areas is detected during predetermined timeslots.
  - 14. A method as claimed in claim 13, **characterized** by playing a predetermined sound during the touch screen lock to facilitate remembering the predetermined timeslots.
- 15. A method as claimed in claim 1, **characterized** by displaying one or more predetermined background images, animations or multimedia presentations on the touch screen during touch screen lock in order to facilitate remembering the predetermined contact areas.
- 16. A method as claimed in claim 1, **characterized** by specifying, in user profiles, the contact areas based on whose touching the touch screen lock is deactivated.
  - 17. A method as claimed in claim 16, **characterized** by the contact areas defined in the user profile for deactivating the touch screen lock being different in different user profiles.
- 18. A portable electronic device comprising a touch screen (106) 20 and means (100, 106, 112) for locking the touch screen, **c h a r a c t e r i z e d** in that the device comprises means (100, 106) for:

detecting touches on predetermined contact areas on the touch screen in a given order during touch screen lock;

deactivating the touch screen lock once said touches on the prede-25 termined contact areas are detected.

- 19. A device as claimed in claim 18, **characterized** in that the device comprises means (100, 106) for reducing the size of the predetermined contact areas when a touch on a predetermined contact area fails.
- 20. A device as claimed in claim 19, **characterized** in that the device comprises means (100, 106) for reducing the size of the predetermined contact areas by at least 25 percent.
- 21. A device as claimed in claim 18, **characterized** in that it comprises means (100, 106) for detecting a touch on a predetermined reset area on the touch screen during touch screen lock, and entering a touch screen lock deactivation state based on the touch on the reset area.
  - 22. A device as claimed in claim 21, characterized in that

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the device comprises means (100, 106) for exiting the touch screen lock deactivation state when a touch on the predetermined contact area fails.

- 23. A device as claimed in claim 21, **characterized** in that it comprises means (100, 106) for exiting the touch screen lock deactivation state when no touch on the contact area on the touch screen is detected within a predetermined period of time after a touch on the reset area.
  - 24. A device as claimed in claim 18, **characterized** in that it comprises means (100, 106) for detecting a touch on the reset area after a touch on the predetermined contact areas.
  - 25. A device as claimed in claim 24, **characterized** in that it comprises means (100, 106) for accepting the deactivation of the touch screen lock based on a touch on the predetermined contact areas and a touch on the reset area.

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- 26. A device as claimed in claim 18, **characterized** in that it comprises means (100, 106) for detecting a touch on the predetermined contact areas of the touch screen when the touch on the contact area continues for a predetermined period of time.
- 27. A device as claimed in claim 18, characterized in that it comprises means (100, 106) for entering a terminal lock state when a touch on
  20 the contact areas occurs in a non-predetermined manner a predetermined number of times in succession.
  - 28. A device as claimed in claim 18, **characterized** in that it comprises means (100, 106, 114) for issuing a signal when a touch on a predetermined contact area is detected.
  - 29. A device as claimed in claim 28, characterized in that said signal is a sound, light or vibration signal.
- 30. A device as claimed in claim 18, **characterized** in that the device comprises means (100, 106) for deactivating the touch screen lock when touches on said predetermined contact areas are detected during predetermined timeslots.
  - 31. A device as claimed in claim 30, **characterized** in that the device comprises means (100, 106, 114) for playing a predetermined sound during the touch screen lock to facilitate remembering the predetermined timeslots.
- 35 32. A device as claimed in claim 18, **characterized** in that the device comprises means (100, 106, 108, 110) for displaying one or more

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predetermined background images, animations or multimedia presentations on the touch screen during touch screen lock in order to facilitate remembering the predetermined contact areas.

- 33. A device as claimed in claim 18, **characterized** in that it comprises means (100, 106) for specifying, in user profiles, the contact areas based on whose touching the touch screen lock is deactivated.
  - 34. A device as claimed in claim 33, **characterized** in that the contact areas defined in the user profile for deactivating the touch screen lock are different in different user profiles.